FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Docket No.: AUSP1100-1	Serial No.: 10/542,176
(MAY. 2 5 2006)	Applicants: Hong et al.	
INFORMATION DISCLOSURE STATEMENT	Filing Date:	Group Art Unit:
BY APPLICANT MADEMAN	January 06, 2006	1625

U.S. PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	 5,916,975	06/09/1999	Bell et al.	525	270	08/05/1996

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION (YES/NO)

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

•	AA	Adam et al. "Benzyl Enol Ethers via Decarboxylation of α-Benzyloxy-β-lactones Derived from the Lithium α-Benzyloxy-α-lithioacetate Synthon," Synthesis. 388-390 (1979).
	AB	Agami et al. "Cyclization of a Chiral Oxazolidine as a Key-Step for the Synthesis of Functionalized Piperidines," <i>Tetrahedron Letters</i> . 37(23), 4001-4002 (1996).
	AC	Allart et al., "1,5-Anhydro-2-Deoxy-D-Altritol Oligonucleotides as Conformationally Restricted Analogues of RNA," <i>Nuleosides Nucleotide</i> .s 1523 (1998).
-	AD	Allart et al, "D-Altritol Nucleic Acids (ANA): Hybridisation Properties, Stability, and Initial Structural Analysis," <i>Chem. Eur. J.</i> 5(8) 2424-2431 (1999).

EXAMINER	DATE CONSIDERED
GT\6485930.1 353768-17	

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Docket No.: AUSP1100-1	Serial No.: 10/542,176
	Applicants: Hong et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Filing Date: January 06, 2006	Group Art Unit: 1625

	AE	Allart et al. "Synthesis of Protected D-Altritol Nucleosides as Building Blocks for Oligonucleotide Synthesis," <i>Tetrahedron Letters</i> . 55, 6527-6546 (1999).			
	AF	Alvarez, et al, "A Concise Synthesis of <i>Ortho</i> -Condensed Oxane-Oxene, Oxepene, Oxocene and Oxonene Ring Systems," 37(16), 2865-2868 (1996)			
	AG	Araki et al, "Synthetic Studeis of Carbohydrate Derivatives with Photochemical Reaction. Photochemical Addition of Ethanethiol and 1-Propanethiol to Enoses," Chemistry Letters, pp.383-386 (1973).			
	AH	Aspinall, H.C., "Chiral Lanthanide Complexes: Coordination Chemistry and Applications," <i>Chemical Reviews</i> . (Washington D.C., United States), 102(6), 1807-1850 (2002).			
	AI	Asano, et al, "New entry for asymmetric deoxyazasugar synthesis: syntheses of deoxymannojirimycin, deoxyaltrojirimycin and deoxygalactostatin," <i>Chem. Commun.</i> , 41-42 (1999).			
	AJ	Auge et al. "Synthesis with an Immobilized Enzyme of N-Acetyl-9-O-Acetyl-Neuraminic Acid, A Sugar Reported as a Component of Embryonic and Tumor Antigens," <i>Tetrahedron Letters</i> . 26(20), 2439-2440 (1985).			
	AK	Bandgar et al., "Synthesis of 4-epi-2-deoxy-2-H _{eq} -N-acetylneuraminic acid and 2,4-dideoxy-2- H _{eq} -N-acetylneuraminic acid," <i>Carbohydrate Research.</i> 270920, 201-210 (1995).			
	AL	Beau et al., "Total Synthesis of (+)-Methyl Pseudomonate C from Carbohydrates," Journal of the American Chemical Society. 105(3), 621-622 (1983).			
	AM	Beckwith et al., "Kinetics of the Coupling Reactions of the Nitroxyl Radical 1,1,3,3- Tetramethylisoindoline-2-oxyl with Carton-Centered Radicals," <i>Journal of Organic Chemistry</i> . 53, 1632-1641 (1988).			
	AN	Bedjeguelal, et al, "Aglycon Directed Palladium β-Alcoxyelimination on Carbohydrate Templates," 40, 87-90 (1999).			
	AO	Bedjeguelal, et al, "Intramolecular Heck Cyclisation-β-Alkoxy Elimination in Carbohydrate Chemistry. A Simple Route to Enantiopure Annelated Dioxatricyclic Compounds," 6, 762-764 (1999).			
EXAMINER		DATE CONSIDERED			

EXAMINER	DATE CONSIDERED
GT\6485930.1 353768-17	

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Docket No.: AUSP1100-1	Serial No.: 10/542,176		
	Applicants: Hong et al.			
INFORMATION DISCLOSURE STATEMENT	Filing Date:	Group Art Unit:		
BY APPLICANT	January 06, 2006	1625		

AP	Bedjeguelal, et al, "Palladium-Mediated Cyclization on Carbohydrate Templates. 3. Extension of the Cyclization to the Threo Series," <i>J. Carbohydrate Chemistry</i> 19(2), 221-232 (2000).
AQ	Benko, Zoltan and Fraser-Reid, Bert "Conjugate Addition of Methanol to α-Enones: Photochemistry and Stereochemical Details," J. Org. Chem. 53, 2066-2072 (1988).
AR	Bhattacharjee, S.S., and Gorin P.A.J., "Identification of di-O-, tri-O-methylmannoses by gas-liquid chromatography," <i>Canadian Journal of Chemistry</i> 47 1207-1215 (1969)
AS	Blades, et al, "A <i>syn</i> selective dihydroxylation of cyclic allylic trichloroacetamides using catalytic osmium tetroxide," <i>Tetrahedron Letters</i> 41, 4701-4704 (2000).
AT	Blaser, H.U., "Enantioselective catalysis in fine chemicals production," <i>Applied Catalysis, A General.</i> 221(1-2), 119-143 (2001).
AU	Brockway et al, "Unusual Stereochemistry in the Copper-catalysed Ring Opening of a Carbohydrate Oxirane with Vinylmagnesium Bromide," Journal of the Chemical Society Perkin Transactions 1. 5, 875-878 (1984).
AV	Broxterman et al, "Synthesis of 2-Acetamido-2-Deoxy-D-Mannose Analogues as Potential Inhibitors of Sialic Acid Biosynthesis," <i>Journal of Carbohydrate Chemistry</i> . 10(2), 215-237 (1991).
AW	Burke et al, "Tandem Glycolate Claisen Rearrangement/Ring-Closing Metathesis: A Stereochemically General Synthesis Substituted Dihydropyran-2-carboxylates," <i>Journal of Organic Chemistry.</i> 63(10), 3160-3161 (1998).
AX	Cai et al, "Polyphenol-Anthocyanin Copigmentation," Journal of Chemical Society Chemical Communications. 5, 380-383 (1990).
AY	Cardillo et al, "A new, convenient improvement of a selective silylation-desilylation sequence in polyhydroxylated compounds by means of polymeric reagents," <i>Chemistry and Industry (London).</i> 16, 643-644 (1983).
. AZ	Cassel et al, "Original Synthesis of Linear, Branched and Cyclic Oligoglycerol Standards," European Journal of Organic Chemistry. 5, 875-896 (2001).

EXAMINER	DATE CONSIDERED
GT\6485930.1 353768-17	

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Docket No.: AUSP1100-1	Serial No.: 10/542,176
	Applicants: Hong et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Filing Date: January 06, 2006	Group Art Unit: 1625

	BA	Chapleur et al, "On the Reaction of 4,6-0-Benzylidene-2-deoxypyranosides with Sodium Cyanoborohydride: Formation of 1,5-Anhydroalditols," <i>Journal of the Chemical Society Perkin Transactions 1.</i> 703-705 (1989).
	ВВ	Cho et al, "LiOH-mediated N-monoalkylation of α-amino acid esters and a dipeptide ester using activated alkyl bromides," <i>Tetrahedron Letters</i> . 43, 1273-1276 (2002).
	BC	Cocker et al, "Hydroxyalkylamino-Acids. Part I.," Journal of Chemical Society. 373 (1943).
	BD	Colonna et al, "Nucleophilic Substitution at Sulphur With Retention of Configuration in Alkyl-p-Toluenesulphinamides," <i>Gazzetta Chimica Italiana</i> . 67 (1987).
	BE	Corey, E. J., "Catalytic Enantioselective Diels – Alder Reactions: Methods, Mechanistic Fundamentals, Pathways, and Applications," <i>Angewandte Chemie</i> . International Ed. 41(10), 1650-1667 (2002).
	BF	Crimmins et al, "Asymmetric Aldol-Ring-Closing Metathesis Strategy for the Enantioselective Construction of Six- to Nine-Membered Oxygen Heterocycles," <i>Journal of Organic Chemistry.</i> 62(22), 7548-7549 (1997).
	BG	Crimmins et al, "An Efficient, General Asymmetric Synthesis of Carbocyclic Nucleosides: Application of an Asymmetric Aldol/Ring-Closing Metathesis Strategy," <i>Journal of Organic Chemistry.</i> 65(25), 8499-8509 (2000).
	ВН	Csuk et al, "Synthesis and Structure of a New 1,5-Anhydro-hex-2-enitol," Zeitschrift für Naturforschung B. 42(11), 1461-1464 (1987).
	BI	Cui et al, "Stereocontrolled allylation of 2-amino-2-deoxy sugar derivatives by a free-radical procedure ¹ ," <i>Carbohydrate Research</i> . 309(4), 319-330 (1998).
	BJ	Davoille et al, "Homologation of allylic alcohols. An approach to cyclic and acyclic polyoxygenated compounds," <i>Tetrahedron Letters</i> . 41(8), 1255-1259 (2000).
	ВК	Dawe et al, "The Synthesis and Reactions of Some 3-C-Methyl Glycals," <i>Journal of Carbohydrate Chemistry</i> 1(1), 21-35 (1982).
•	BL	Dias et al, "Chiral Lewis Acid Catalyzed Ene-Reactions," Current Organic Chemistry. 4(3), 305-342 (2000).

EXAMINER	DATE CONSIDERED
GT\6485930.1 353768-17	

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Docket No.: AUSP1100-1	Serial No.: 10/542,176
	Applicants: Hong et al.	
INFORMATION DISCLOSURE STATEMENT	Filing Date:	Group Art Unit:
BY APPLICANT	January 06, 2006	1625

ВМ	Donohoe et al, "The Directed Dihydroxylation of Allylic Alcohols," <i>Tetrahedron Letters</i> . 38(28), 5027-5030 (1997).
BN	Dromowicz et al, "Syntheses of 2,6-anhydroaldonic acids from the corresponding anhydrodeoxynitroalditols (glycopyranosylnitromethanes) and their conversion into methyl esters, amides, and alditols," <i>Carbohydrate Research</i> . 311(3), 103-119 (1998).
. ВО	Dupuis et al, "Conformation of Glycosyl Radicals: Radical Stabilization by β-CO Bonds**," Angewandte Chemie (International edition in English). 23(11), 896-897 (1984).
ВР	Durette et al., "Synthesis and immunoadjuvant activity of 2-acetamido-1,5-anhydro-2-deoxy-3-O-[®-2-propanoyl-L-alanyl-D-isoglutamine]-D-glucitol ("1-deoxymuramoyl dipeptide") and its 6-(2-behenoyloxyisobutyrate)," <i>Carbohydrate Research.</i> 108(1), 139-147 (1982).
BQ	Engelbrecht et al, "Stereoselective Palladium Catalyzed Cyclization on Carbohudrate Templates-A Route to Chiral Cyclopentanes and Some Heterocyclic Analogs," <i>Tetrahedron Letters.</i> 32(19), 2161-2164 (1991).
BR	Estevez et al, "Synthesis of tetrahydropyrans from sugar lactones," <i>Tetrahedron</i> . 13591 (1998).
BS	Estevez et al, "Tetrahydropyran Derivatives from γ-and δ-Hexonolactones," Tetrahedron Letters. 35(20), 3361-3364 (1994).
ВТ	Evans et al, (Stereoselective Aldol Condensations via Boron Enolates," Journal of the American Chemical Society. 103(11), 3099-3111 (1981).
BU	Ferey et al, "Aldol Reactions of Ethyl N-Benzyl-N-methylglycinate and of its Borane Adduct: Selective Access to Syn or Anti α-Amino-β-hydroxyesters," <i>Journal of Chemical Society Chemical Communications</i> . 487 (1995).
BV	Fernandez-Mayoralas et al, "Preparation of Pyranoid Glycal Derivatives from Phenyl Thioglycosides and Glycosyl Phenyl Sulphones," <i>Carbohydrate Research</i> . 188, 81-95 (1989).

•	
EXAMINER	DATE CONSIDERED
GT\6485930.1 353768-17	

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Docket No.: AUSP1100-1	Serial No.: 10/542,176
	Applicants: Hong et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Filing Date: January 06, 2006	Group Art Unit: 1625

BW	Fernandez-Mayoralas et al, "Convenient Syntheses of Substituted Pyranoid Glycals from Thiophenyl Glycosides and Glycosyl Phenylsulfones," <i>Tetrahedron Letters</i> . 30(19), 2537-2540 (1989).
BX	Fuchs et al, "Synthese von 7-Amino-2.6-anhydro-7-desoxy-D-glycero-1-manno-heptonsaure und 7-Amino-2,6-anhydro-7-desoxy-D-glycero-D-gulo-heptonsaure," Chemische Berichte. 2254 (1975).
BY	Furneaux et al, "The Chemistry of Castanospermine, Part I: Synthetic Modifications at C-6," <i>Tetrahedron</i> . 50(7) 2131-2160 (1994).
BZ	Garner et al, "An Asymmetric Synthesis of 5-O-Carbamoylpolyoxamic Acid from D-Serine," <i>Journal of Organic Chemistry.</i> 53, 2979 (1988).
CA	Ghelfi et al, "Easy approach to 3-benzylimino-2-pyrrolidinones from 3-chloro-4-chloromethyl-2-pyrrolidinones," <i>Tetrahedron Letters</i> , 40, 8595-8597 (1999).
СВ	Gil et al, "An Enantioselective Entry to Substituted 6-Membered Nitrogen Heterocycles from Chiral Pyridinium Salts via Selective Epoxidation of Tetrahydropyridine Intermediates," <i>Synthesis</i> . 2117-2126 (2000).
СС	Gilchrist et al, "Formation of Pyridazino [6,1-c][1-4]oxazin-8(7H)-ones by Intramolecular Cycloaddition of Azoalkenes," Journal of the Chemical Society Perkin Transactions 1. 2517-2522 (1987).
CD	Giuliano et al, "Diastereofacial Selectivity of Diels-Alder Reactions of Carbohydrate- Derived Dienes and Their Carbocyclic Analogs," <i>Journal of Organic Chemistry</i> . 58(18), 4979-4988 (1993).
СЕ	Gribble et al, "Synthesis and Reactions of 9,10-Diazatetracyclo-," <i>Journal of Heterocyclic Chemistry.</i> 719 (1996).
CF	Gridley, et al, "Regioselective Lipase-catalysed acylation of 4,6- <i>O</i> -benzylidene-β-D-pyranoside derivatives displaying a range of anomeric substituents," <i>Synlett</i> 1397-1399 (1997).
. CG	Griffin et al, "2-Keto Sugars as Preformed Heterocyclic Building Blocks. Synthetic Studies," <i>Heterocycles.</i> 35(2), 1247-1258 (1993).

EXAMINER	DATE CONSIDERED
GT\6485930.1	
353768-17	

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Docket No.: AUSP1100-1	Serial No.: 10/542,176
	Applicants: Hong et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Filing Date: January 06, 2006	Group Art Unit: 1625

Grigg et al, "Sequential 1,3-Dipolar Cycloaddition-Palladium Catalysed cyclisation. A Powerful New Tactical Combination," <i>Tetrahedron Letters</i> . 32, 1359-1363 (1991).
Groaning et al, "New Homochiral Cyclic Diol Ligands for Titanium Alkoxide Catalyzed Phosphonylation of Aldehydes," <i>Tetrahedron Letters</i> . 39(31), 5485-5488 (1998).
Groger et al, "the Development of New Monometallic Bifunctional Catalysts with Lewis acid and Lewis Base Properties, and their Application in Asymmetric Cyanation Reactions," <i>Chemistry—A European Journal</i> . 7(24), 5246-5251 (2001).
Grubbs et al, "Recent Advances in Olefin Metathesis and Its Application in Organic Synthesis," <i>Tetrahedron.</i> 54(18), 4413-4450 (1998).
Guo et al, "A New Strategy for the Stereoselective Syntheses of C-Glycosyl Compounds of β-Pentapyranoses," <i>Synthetic Communications</i> , 26(11), 2067-2073 (1996).
Hall et al, "Reaction of Chlorosulphonyl Isocyanate with Unsaturated Sugars," <i>Journal of the Chemical Society Perkin Transactions 1.</i> 1, 38-44 (1973).
Haque et al, "Rapid Communication," <i>Indian Journal of Chemistry, Section B.</i> 38B(1), 8-9 (1999).
Heiker et al, "Synthesis of D-galacto-1-deoxynojirimycin (1,5-dideoxy-1,5-imino-D-galactitol) starting from 1-deoxynojirimycin*," Carbohydrate Research. 314 (1990).
Helterich et al, "Notiz zum Ubergang von Kohlenhydraten in Derivate mit stabilem Pyranring," Chemische Berichte. 1701 (1971).
Hermann et al, "64. Herstellung von Dihydro-, Tetrahydro- and Hexahydro-chelidamsaure-Derivaten ¹)," <i>Helvetica Chimica Acta</i> . 626 (1976).
Herold et al, "39. Synthesis of D-erythro- and D-threo-Sphingosine Derivatives from L-Serine," <i>Helvetica Chimica Acta</i> . 354 (1988).
Hiersemann et al, "Synthesis of α-Allyloxy-Substituted α,β-Unsaturated Esters via Aldol Condensation. Convenient Access to Highly Substituted Allyl Vinyl Ethers," Synthesis. 9, 1279-1290 (2000).

EXAMINER	DATE CONSIDERED
GT\6485930.1 353768-17	·

FORM PTO-1449	Docket No.:	Serial No.:
U.S. Department of Commerce Patent and Trademark Office	AUSP1100-1	10/542,176
	Applicants: Hong et al.	
INFORMATION DISCLOSURE STATEMENT	Filing Date:	Group Art Unit:
BY APPLICANT	January 06, 2006	1625

СТ	Hiersemann et al, "The Ester Dienolate [2,3]-Wittig Rearrangement. Diastereoselective Synthesis of 2,3-Dialkenyl-Substituted 2-Hydroxy-γ-Lactones," <i>Tetrahedron</i> 55, 2625-2638 (1999).
CU	Horton et al, "Reaction of Butyllithium with Benzylidene Acetals of Aldopyranosides and 1,5-Anhydroalditols," <i>Carbohydrate Research.</i> 174, 305-312 (1988).
CV	Hossain et al, "Facile Synthesis of 3'-C-Branched 1,5-Anhydrohexitol Nucleosides," Nuleosides Nucleotides. 17(9-11), 1781-1786 (1998).
CV	Hossain et al, "Oligonucleotides Composed of 2'-Deoxy-1',5'-anhydro-D-mannitol Nucleosides with a Purine Base Moiety," <i>J. Org. Chem.</i> 63, 1574-1582 (1998).
CX	Hossain et al, "Synthesis of 3'-C-branched 1',5'-anhydromannitol Nucleosides as new Antiherpes Agents," <i>Tetrahedron.</i> 54(10), 2209-2226 (1998).
CY	Hu et al, "Cross-Metathesis of N-Alkenyl Peptoids with O- or C-Allyl Glycosides," Tetrahedron Letters. 40, 3305-3308 (1999).
CZ	Igarashi, Y. et al., "A Concise Synthesis of α-Glycolyl Cyanides," <i>Bioorg. Med. Chem. Lett.</i> 7(5), 613-616 (1997).
DA	Ikeya et al, "Four New Phenolic Glycosides from Polygala tenuifolia," Chemical and Pharmaceutical Bulletin. 39(10), 2600-2605 (1991).
DB	Jacobsen et al, "Enantioselective Catalytic Ring Opening of Epoxides with Carboxylic Acids," <i>Tetrahedron Letters</i> . 38(5), 773-776 (1997).
DC	Jendrzejewski et al, "Total Synthesis of Restricticin," Tetrahedron Letters. 34(4), 615-618 (1993).
DD	Jorgensen, K.A. (2000) "Catalytic Asymmetric Hetero-Diels-alder Reactions of Barbonyl Compounds and Imines," <i>Angewandte Chemie</i> , International Ed. 39(20), 3558-3588.
DE	Jung et al, "Conversion of D-Mannose into 1,5-Anhydro-D-Allitol-4,6-Acetonide; Unusual Intramolecular Epoxy Alcohol Opening in Base," <i>Tetrahedron Letters</i> . 32(43), 6089-6092 (1991).

·	
EXAMINER	DATE CONSIDERED
GT\6485930.1 353768-17	

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Docket No.: AUSP1100-1	Serial No.: 10/542,176
	Applicants: Hong et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Filing Date: January 06, 2006	Group Art Unit:

DF	Kanai et al, "Design of a new bifunctional asymmetric catalyst from carbohydrates: application to catalytic asymmetric cyanosilylation of aldehydes and acetophenone," <i>Tetrahedron Letters</i> . 41, 2405-2409 (2000).
DG	Kelly et al, "Synthesis of 9-Deoxy-8,9-oxaprostaglandins," Journal of the Chemical Society Perkin Transactions 1. 8, 2352-2353 (1990).
DH	Kelly et al, "Preparation of Some Novel Prostanoids Based on a Tetrahydropyran Ring," Journal of the Chemical Society Perkin Transactions 1. 4, 787-797 (1991).
DI	Khanna et al, <i>Journal of Carbohydrate Chemistry</i> . "Nucleophilic Opening of N-Carboalkoxy-2,3-Anhydro-1-Deoxymannojirimycin. A Useful Method for the Syntheses of 2-, 3- and 2,3-Disunstituted 1-Deoxynojirimycin Analogs," (1995).
DJ	Kier et al, "Synthesis of Sydnones as Potential Therapeutic Agents," Journal of Pharmaceutical Sciences. 1058 (1962).
DK	Kim, Y.H. "Dual Enantioselective Control in Asymmetric Synthesis," <i>Accounts of Chemical Research</i> , 34(12), 955-962 (2001).
DL	Kiso et al, "Synthesis of 1,5-Anhydro-2-Deoxy-4-O-Phosphono-3-)-Tetradecanoyl-2-[)3R)- and (3S)-3-tetradecanoyloxytetradecanamido]-," <i>Journal of Carbohydrate Chemistry</i> . 5(4), 621-630 (1986).
DM	Kiso et al, "Studies on Selectin Binding Inhibitors: Synthesis of Sialyl-Lewis X and Sialyl-Lewis A Epitope Analogs Containing 2-Acetamido Derivative of N-Methyl-1-Deoxynojirimycin," <i>Journal of Carbohydrate Chemistry.</i> 1 (1996).
DN	Klein et al, Kettenverlangerung von Kohlenhydraten: Synthese von Pyrazolen aus optisch aktiven Carbonsauren," <i>Liebs. Ann. Chem.</i> 6, 485-489 (1987).
DO	Knapp et al, "Assignment of the Liposidomycin Diazepanone Stereochemistry," <i>Journal of Organic Chemistry</i> . 66, 5822 (2001).
DP	Kohrt et al, "Highly Functionalized Cyclohexenyl Systems: Enzymatic Resolution and Selective Oxirane Opening Reactionsof p-Benzoquinone Derivatives," <i>Journal of Organic Chemistry</i> . 63(15), 5088-5093 (1998).

EXAMINER	DATE CONSIDERED
GT\6485930.1 353768-17	

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Docket No.: AUSP1100-1	Serial No.: 10/542,176
	Applicants: Hong et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Filing Date: January 06, 2006	Group Art Unit:

	DQ	Koll et al, "Ein Neuer Effizienter Weg Zur Darstellung von Glyco-Pyranosylcyaniden (2,6-Anhydroaldononitrilen) Ohne Nachbargruppenbeteiligung. Reduktion von 2,6 Anhydro-1-Desoxy-1-Nitroalditolen mit Phosphortrichlorid," <i>Carbohydrate Research</i> . 301 (1987).		
	DR	Kondo et al, "Partial Benzoylation of Methyl 4,6-0-Benzylidene-α- and 3-D-Glucopyrano-sides, and 1,5-Anhydro-4-6-O-benzyl-idene-D-glucitol with Benzo Anhydride in Chloroform," <i>Agricultural and Biological Chemistry</i> . 41(10), 2089 2090 (1977).		
	DS	Kondo et al, "Partial tosylation of 1,5-anhydro-D-glucitol," Canadian Jour Chemistry. 55(22), 3820-3824 (1977).	rnal of	
	DT	Kondo et al, "Selective esterification of 1,5-anhydro-4,6-O-benzylidene-o Carbohydrate Research. 193, 279-282 (1989).	-galactitol,"	
	DU	Korth et al, "Electron Spin Resonance Spectroscopic Investigation of Carbohydrate Radicals," Journal of the Chemical Society Perkin Transactions 2. 9, 1453-1459 (1986).		
	DV	Kusano et al, "A New Amino Acide, (2S,3R)-(-)-3-Hydroxybaikiain from Russula subnigricans HONGO," Chemical and Pharmaceutical Bulletin. 3482 (1987).		
	DW	Leeuwenburgh et al, "A Novel Approach Towards <i>cis</i> - and <i>trans</i> -Fused Pyranopyrans Based on Ring-Closing Metathesis Reaction of Carbohydrate Derivatives," <i>Synlett</i> . 11, 1263-1264 (1997).		
	DX	Leeuwenburgh et al, "Synthesis of a trans-Fused Tricyclic Ether Using a Differentially Protected Glucal," Synlett. 12, 1945-1947 (1999).	Novel	
	DY	Lehmann et al, "Reaktionen Enolischer Zuckerderivate," Carbohydrate Research. 2(6), 486-499 (1966).		
	DZ	Lopez et al, "Serial Radical Reactions of Enol Ethers: Ready Routes to Highly Functionalized C-Glycosyl Derivatives," <i>Journal of the American Chemical Society</i> . 111(9), 3450-3452 (1989).		
•	EA	Luengo, Juan and Koreeda, Masato, "Stereospecific Synthesis of <u>z-</u> and <u>E</u> Butadienes," <i>Tetrahedron Letters</i> . 25(43), 4881-4884 (1984).	-1-Alkoxy-1,3-	
EXAMINER		DATE CONSIDERED		

Form 1449

GT\6485930.1 353768-17

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Docket No.: AUSP1100-1	Serial No.: 10/542,176
	Applicants: Hong et al.	
INFORMATION DISCLOSURE STATEMENT	Filing Date:	Group Art Unit:
BY APPLICANT	January 06, 2006	1625

ЕВ	Luyten et al, "Synthesis and Conformational Behavior of Purine and Pyrimidine β-D- threo-Hex-3'-enopyranosyl Nucleosides," <i>Tetrahedron</i> . 52(27), 9249-9262 (1996).
EC	Maeda et al, "Synthetic Studies on Sialogylcoconjugates 71: Synthesis of Sulfo- and Sialyl-Lewis X Epitope Analogs Containing the 1-Deoxy-N-Acetylglucosamine in Place of N-Acetylglucosamine Residue," <i>Journal of</i> ". 14(3), 369-385 (1995).
ED	Mallet et al, "The Use of Selenophenyl Galactopyranosides for the Synthesis of α and β-(1→4)-C-Disaccharides," <i>Tetrahedron Asymmetry</i> . 5(12), 2593-2608 (1994).
EE	Martin et al, "A Concise Enantioselective Entry to the Synthesis of Deoxy-azasugars, Organic Letters. 2(1) 93-95 (2000).
EF	Martin, J. et al. "Efficient Synthesis of α-Aldopyranosyl Cyanides via Radical Cyanation Reactions," <i>Tetrahedron Lett.</i> 39, 5927-5930 (1998).
EG	Meyer et al, "Photochemical rearrangement of 2-(N-allyl-N-alkylamino) cyclohex-2-enones," <i>Receuil des Travaux Chimiques des Pays-Bas</i> .114, 492-497 (1995).
ЕН	Miller et al, "Synthesis of Conformationally Restricted Amino Acids and Peptides Employing Olefin Metathesis," <i>Journal of the American Chemical Society</i> . 117, 5855 (1995).
EI	Molander et al, "Sequenced Reactions with Samarium(II) Iodide," <i>Journal of Organic Chemistry</i> . 62(9), 2944-2956 (1997).
EJ	Nakai et al, "The [2,3] Wittig Rearrangement of 2-Alkenyloxyacetic Acids and its applications to the stereocontrolled synthesis of β, γ-Unsaturated Aldehydes and Conjugated Dienoic Acids," <i>Tetrahedron Letters</i> . 22, 69-72 (1981).
EK	Newth, F.H., "The O-Toluene-p-sulphonyl Derivatives of 1,5-Anhydro-4,6-Obenzylidene-D-glucitol," pp. 2717-2720 (1959).
EL	Nguefack et al, "Palladium-Mediated Cyclization on Barbohydrate Templates," <i>Journal of Organic Chemistry</i> . 62(5), 1341-1347 (1997).
EM	Nicolaou et al, "Novel Strategies for the Construction of Complex Polycyclic Ether Frameworks," <i>Angewandte Chemie (International edition in English).</i> 30(3), 299-303 (1991).

EXAMINER	DATE CONSIDERED
GT\6485930.1 353768-17	

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Docket No.: AUSP1100-1	Serial No.: 10/542,176
	Applicants: Hong et al.	
INFORMATION DISCLOSURE STATEMENT	Filing Date:	Group Art Unit:
BY APPLICANT	January 06, 2006	1625

E	Nicolaou et al, "Novel IBX-Mediated Processes for the Synthesis of Amino Sugars and Libraries Thereof," Angewandte Chemie (International edition in English). 39(14), 2526-2529 (2000).
E	Nicolaou et al, "Total Synthesis of Brevetoxin A: Part 1: First Generation Strategy and Construction of BCD Ring System," <i>Chemistry: a European Journal</i> . 5(2), 599-617 (1999).
El	Nicolaou et al, "Bridging of Macrodithionolactones to Bicyclic Systems," <i>Journal of the American Chemical Society.</i> 112(8), 3040-3054 (1990).
E	Nicolaou et al, "Iodine(V) Reagents in Organic Synthesis.," Journal of the American Chemical Society. 124(10), 2233-2244 (2002).
E	Nikitskaya et al, "The Synthesis of 7-Hydroxy-3, 9-Diazabicyclo[3.3.3]Nonane," Chemistry of Heterocyclic Compounds. 196 (1965).
. Es	Nikitskaya et al, "The Synthesis of 7-Hydroxy-3, 9-Methyl-3, 9-Diazabicyclo[3.3.1]Nonane and Some of it Derivatives," <i>Journal of Organic Chemistry USSR</i> . 170 (1965).
E	Nishikawa et al, "Improved Conditions for Facile Overman Rearrangement," <i>Journal of Organic Chemistry</i> . 63, 188-192 (1998).
E	Oishi et al, "Convergent Synthesis of a <i>Trans</i> -fused 6-7-6 Tricyclic Ether System Based on a Ring-closing Metathesis Reaction," <i>Synlett</i> . 8, 980-982 (1997).
E	Palacios et al, "Easy and Efficient Generation of Reactive Anions with Free and Supported Ylides as Neutral Bronsted Bases," <i>Tetrahedron</i> . 56, 663-669 (2000).
E	W Parsons et al, "Synthesis of hydroxyl pyrrolidines and piperidines via free-radical cyclisations," <i>Journal of the Chemical Society</i> Perkin Trans. 2 651 (1998).
E	Pelzer et al, "Isoselektivitat bei der asymmetrischen Paterno-Buchi-Reaktion unter Verwendung von Kohlenhydraten als chorale Auxiliare," <i>Chemische Berichte</i> . 122(3), 487-491 (1989).

•	
EXAMINER	DATE CONSIDERED
GT\6485930.1 353768-17	

FORM PTO-1449 U.S. Department of Commerce Patent and	Docket No.: AUSP1100-1	Serial No.: 10/542,176	
Trademark Office		,,,,,	
	Applicants: Hong et al.		
INFORMATION DISCLOSURE STATEMENT	Filing Date:	Group Art Unit:	
BY APPLICANT	January 06, 2006	1625	

EY	Perez-Perez et al, "Synthesis and Antiviral Activity of 2-Deoxy-1,5-Anhydro-D-Mannitol Nucleosides Containing a Pyrimidine Base Moiety," <i>Bioorganic and Medicinal Chemistry Letters</i> . 1457 (1996).
EZ	Phillips et al, "Ring-Closing Metathesis of Nitrogen-Containing Compounds: Applications to Heterocycles, Alkaloids, and Peptidomimetics," <i>Aldrichimica Acta</i> . 32(3), 75-89 (1999).
FA	Rajanbabu, T.V. et al. "Carbohydrate Phosphinites as Practical Ligands in Asymmetric Catalysis: Electronic Effects and Dependence of Backbone Chirality in Rh-Catalyzed Asymmetric Hydrogenations. Synthesis of R- or S—Amino Acids Using Natural Sugars as Ligand Precursors," (1997) J. Org. Chem. 62, 6012-6028.
FB	Reichwein et al, "Synthesis of Cyclic Dipeptides by Ring-Closing Metathesis," European Journal of Organic Chemistry. 4, 2335 (2000).
FC	Rolf, D. et al., "Reductive Cleavage of Glycosides," J. Amer. Chem. Soc. 104, 3539-3541 (1982).
FD	Rutjes et al, "Ruthenium-Catalyzed Ring Closing Olefin Metathesis of Non-Natural α-Amino Acids," <i>Tetrahedron Letters</i> . 38(4), 677-680 (1997).
FE	Sakai et al, "Isolation, Structure Determination, and Synthesis of Neodysiherbaine A, a New Excitatory Amino Acid from a Marine Sponge," <i>Organic Letters</i> . 3(10), 1479-1482 (2001).
FF	Sakakibara et al, "Anomeric Effect on Kinetic Acidity: Examples for the Oxygen Atom of Ethers to Accelerate Abstraction of an α-Hydrogen Atom," <i>Tetrahedron Letters</i> . 34(21), 3429-3432 (1993).
FG	Sakata et al, "Synthesis and Reactions of Glycosyl Methyl- and Benzyl- Xanthates: A Facile Synthesis of 1-Thioglycosides," <i>Carbohydrate Research</i> . 13(3), 379-386 (1970).
FH	Sano et al, "A Novel Method for the Deoxygenation of Acetylated Sugars," Synthesis. 5, 402-403 (1988).

EXAMINER	DATE CONSIDERED
GT\6485930.1 353768-17	

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Docket No.: AUSP1100-1	Serial No.: 10/542,176
	Applicants: Hong et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Filing Date: January 06, 2006	Group Art Unit: 1625

FI	Sasaki et al, "Intramolecular Radical Cyclization—Ring-Closing Metathesis Approach to Fused Polycyclic Ethers. Convergent Synthesis and Conformational Analysis of the (E)FGH Ring System of Ciguatoxin," <i>Journal of Organic Chemistry</i> . 67(10), 3301-3310 (2002).
FJ	Schleich et al, "Pd-Catalyzed Asymmetric Allylic Alkylation of 3-Acetoxy-N-(tert-butyloxycarbonyl)-1,2,3,6-tetrahydropyridine – Preparation of Key Intermediates for Natural Product Synthesis," <i>European Journal of Organic Chemistry</i> . 3, 2515 (1999).
FK	Schmidt et al, "A Synthesis of Densely Functionalized 2,3-Dihydropyrans Using Ring-Closing Metathesis and Base-Induced Rearrangements of Dihydropyran Oxides," European Journal of Organic Chemistry. 4, 3145 (2000).
FL	Schmidt et al, "Synthesis of Functionalized 2,3- and 3,4-Dihydropyrans Starting from a-Hydroxycarboxylic Esters <i>via</i> RCM," <i>Synlett</i> . 1591-1593 (1999).
FM	Seebach, D. (2001) "TADDOLs, Their Derivatives, and TADDOL Analogues: Versatile Chiral Auxiliaries," <i>Angewandte Chemie</i> , International Ed.m 40(1), 92-138.
FN	Shen et al, "Enantioselective Synthesis of Ethyl 4,5,7,8,9-Penta-O-acetyl-2,6-anhydro-3-deoxy-D-erythro-L-gluca-nononate: a 2-Monodeoxygenated Derivative of '2-Keto-3-deoxy-D-glycero-D-galacto-nononic Acid'," <i>Helvetica Chimica Acta</i> . 83(5), 943-953 (2000).
FO	Sherman et al, "Studies of model compounds for the analysis of ester-containing polysaccharides by the reductive-cleavage method," <i>Carbohydrate Research</i> . 231, 221-235 (1992).
FP	Sinou et al, "Palladium-Mediated Cyclization on Carbohydrate Templates Synthesis of Enantiopure Annelated Tricyclic Compounds," <i>European Journal of Organic Chemistry</i> . 4, 4071-4077 (2000).
FQ	Snider et al, "Intramolecular [2 + 2] Cycloadditions of Alkoxyketenes and Alkoxyketeniminium Salts," <i>Journal of Organic Chemistry</i> . 50, 5167-5176 (1985).
· FR	Speziale et al, "N-Substituted Glycinate and Alaninate Esters," <i>Journal of Organic Chemistry</i> . 25, 728-732 (1960).

EXAMINER	DATE CONSIDERED
GT\6485930.1 353768-17	

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Docket No.: AUSP1100-1	Serial No.: 10/542,176
·	Applicants: Hong et al.	
INFORMATION DISCLOSURE STATEMENT	Filing Date:	Group Art Unit:
BY APPLICANT	January 06, 2006	1625

FS	Spohr et al, "Inhibitors of <i>endo</i> -α-mannosidase. Part I. ¹ Derivatives of 3-O-(α-D-glucopyranosyl)-D-mannopyronose," Canadian Journal of Chemistry. 71(11), 1919-1927 (1993).
FT	Stähle, Wolfgang and Kunz, Horst "Carbohydrates as Chiral Templates: Stereoselective Diels-Alder Synthesis with Dienes of Differing Reactivity," <i>Synlett.</i> 4, 260-262 (1991).
FU	Still et al, "A Convergent Synthesis of the O-Benzyl Derivative of Enantio-Ineupatoriol from a Carbohydrate Precursor," <i>Synthetic Communications</i> . 18(13), 1461-1474 (1988).
FV	Sugai et al, "A Chemo-Enzymatic Synthesis of D-Allosamine Derivatives from Tri-O-acetyl-D-glucal," Bulletin of the Chemical Society of Japan. 70(10), 2535-2540 (1997).
FW	Sustmann et al, "Selective Formation and Conformational Analysis of Carbohydrate-derived Radicals," <i>Journal of the Chemical Society</i> Faraday Trans. 1 1987 , 83(1), 95-105 (1987).
FX	Tanaka et al, "Synthesis and evaluation of a bicyclic deoxymannojirimycin derivative as a potential glycosidase inhibitor," <i>Canadian Journal of Chemistry</i> . 431 (1998).
FY	Thoma et al, "Preorganization of the Bioactive Conformation of Sialyl Lewis ^X Analogues Correlates with Their Affinity to E-Selection," <i>Angewandte Chemie</i> (International edition in English). 40(10), 1941-1945 (2001).
FZ	Tian et al, "myo-Inositol 1-Phosphate Synthase: Does a Single Active-Site Amino Acid Catalyze Multiple Proton Transfers?," <i>Journal of the American Chemical Society</i> . 121, 5795-5796 (1999).
GA	Togo et al, "Radical Decarboxylative Alkylation onto Heteroaromatic Bases with Trivalent Iodine Compounds," Journal of the Chemical Society Perkin Transactions 1. 2417-2427 (1993).
GB	Tsukuda et al, "Synthesis of Restrictinol and 9,10,11,12-Tetrahydro-7- Desmethylrestricticin," <i>Chemical and Pharmaceutical Bulletin</i> . 41(6), 1191-1193 (1993).

EXAMINER	DATE CONSIDERED
GT\6485930.1 353768-17	·

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Docket No.: AUSP1100-1	Serial No.: 10/542,176
	Applicants: Hong et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Filing Date: January 06, 2006	Group Art Unit: 1625

	GC	Tulshian et al, "Out-of-Ring Claisen Rearrangements are Highly Stereoselective in Pyranoses: Routes to gem-Dialkylated Sugars," <i>Journal of Organic Chemistry</i> 1984 , 49(13), 2347-2355.
	GD	Van Aerschot et al, "Synthesis of nucleoside analogues with a 1,5-anhydrohexitol moiety," <i>Bioorganic and Medicinal Chemistry Letters</i> 1993 , 3(6), 1013-1018.
G	GE	Van Aerschot et al, "Increased RNA Affinity of HNA Analogues by Introducing Alkoxy Substituents at the C-1 or C-3 Position," <i>Nuleosides Nucleotides</i> . 781 (2001).
0	GF	Vassilev et al, "L-Threonine Aldolase in Organic Synthesis: Preparation of Novel β-Hydroxy-α-Amino Acids," <i>Tetrahedron Letters</i> . 36(23), 4081-4084 (1995).
G	GG	Vega-Perez et al, "Conformationally restricted analogues of the muramyldipeptide MDP," Carbohydrate Research. 248, 95-106 (1993).
G	GH	Verheggen et al, "Synthesis and Antiherpes Virus Activity of 1,5-Anhydrohexitol Nucleosides," <i>Journal of Medicinal Chemistry</i> . 36(14), 2033-2040 (1993).
	3I	Verheggen et al, "Synthesis of 1,5-Andydro-2-(N ⁶ -Cyclopentyladenin-9-YL)-2-Deoxy-D-Altrohexitol," <i>Nuleosides Nucleotides</i> . 321 (1995).
G	3J	Viaud et al, "Zinc Azide Mediated Mitsunobu Substitution. An Expedient Method for the One-Pot Azidation of Alcohols," <i>Synthesis</i> . 2, 130-132 (1990).
G	GK	Wang et al, "Cyclohexene Nucleic Acids (CeNA) Form Stable Duplexes With RNA and Induce RNASE H Activity," <i>Nuleosides Nucleotides</i> . 785 (2001).
G	GL	Wotiz et al, "D-Glucopyranosiduronates. I. Steroidyl-β-D-glucopyranuronosides," Journal of the American Chemical Society. 81, 1704-1706 (1959).
C	GM	Yamagishi et al, "Total Synthesis of Trehalase Inhibitor Salbostatin," <i>Bioorganic and Medicinal Chemistry Letters</i> . 5(5), 487-490 (1995).
C	GN	Ye et al, "Anomerica Reactivity-Based One-Pot Oligosaccharide Synthesis: A Rapid Route to Oligosaccharide Libraries," <i>Journal of Organic Chemistry</i> . 65(8), 2410-2431 (2000).

EXAMINER	DATE CONSIDERED
GT\6485930.1 353768-17	·

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Docket No.: AUSP1100-1	Serial No.: 10/542,176
	Applicants: Hong et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Filing Date: January 06, 2006	Group Art Unit: 1625

GG	Yet et al, "Recent Developments in Catalytic Asymmetric strecker-Type Reactions," Angewandte Chemie, International Edition. 40(5), 875-877 (2001).
GI	Zeller et al, "Synthesis and mass spectra of 4-O-acetyl-1,5-anhydro-2,3,6-tri-O-acetyl-1,5-anhydro-di-O-(methoxycarbo-nylmethyl)-O-methyl-D-glucitol and 4-O-(methoxycarbo-nylmethyl)-O-acetyl-1,5-anhydro-O-(methoxycarbonylmethyl)-di-O-methyl-D-glucitol*," Carbohydrate Research. 211(1), 47-57 (1991).
G	Zeller et al, "Analysis of Macrocystitis <i>pyrifera</i> and <i>Pseudomonas aeruginosa</i> alginic acids by the redcuctive-cleavage method*," <i>Carbohydrate Research</i> . 226, 313-326 (1992).
Gl	Zissis et al, "1,5-Anhydro-D-altritol," Journal of the American Chemical Society. 77, 5154 (1955).
GS	Zumpe et al, "A Mild Palladium Catalyzed <i>N</i> -Allylation of Amino Acids and Peptides," Synlett. 1199-1200 (1998).
G	Zumpe et al, "Application of the Palladium Catalyzed <i>N</i> -Allylation to the Modification of Amino Acids and Peptides," <i>Synthesis</i> . 1785-1791(1999).

EXAMINER	/Bernard Dentz/	DATE CONSIDERED 04/29/2008
GT\6485930.1 353768-17	/Domaid Doma/	